FIG. 1

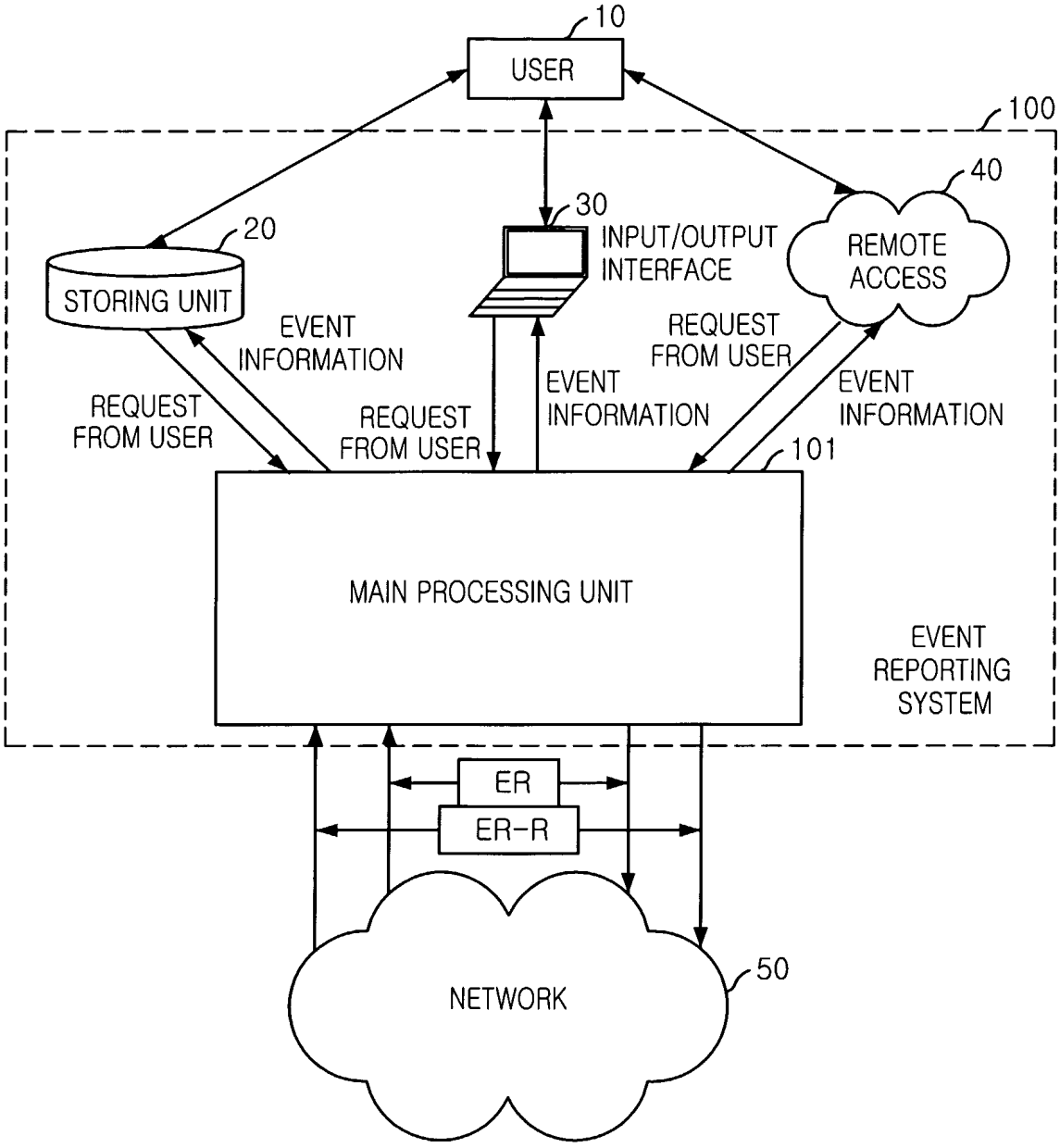

10
USER
100
40
30
20
INPUT/OUTPUT INTERFACE
REMOTE ACCESS
STORING UNIT
EVENT INFORMATION
REQUEST FROM USER
REQUEST FROM USER
EVENT INFORMATION
REQUEST FROM USER
EVENT INFORMATION
101
MAIN PROCESSING UNIT
EVENT REPORTING SYSTEM
ER
ER-R
NETWORK
50

FIG. 2

<table>
<tr><td>General Element</td><td colspan="3">Specific Element</td></tr>
<tr><td rowspan="3">Condition Descriptor</td><td colspan="3">Time</td></tr>
<tr><td rowspan="2">Event</td><td colspan="2">DI Related Operation</td></tr>
<tr><td colspan="2">Peer Related Operation</td></tr>
<tr><td rowspan="5">ERR Descriptor</td><td rowspan="4">Description</td><td colspan="2">Time Stamp</td></tr>
<tr><td colspan="2">Life Time</td></tr>
<tr><td colspan="2">History</td></tr>
<tr><td colspan="2">Priority Level</td></tr>
<tr><td colspan="3">ID</td></tr>
<tr><td colspan="3">Access Right</td></tr>
<tr><td rowspan="3">ER Descriptor</td><td rowspan="3">ER Data Descriptor</td><td colspan="2">ER ID</td></tr>
<tr><td rowspan="2">Report Data</td><td>Peer Data</td></tr>
<tr><td>User Data</td></tr>
<tr><td colspan="3">ERR</td></tr>
<tr><td rowspan="6">Delivery Descriptor</td><td colspan="3">Format</td></tr>
<tr><td colspan="3">Encryprion</td></tr>
<tr><td colspan="3">Access Right</td></tr>
<tr><td colspan="3">Authentication</td></tr>
<tr><td colspan="3">Delivery Time</td></tr>
<tr><td colspan="3">Protocol</td></tr>
<tr><td rowspan="2">To Whom</td><td colspan="3">Compression</td></tr>
<tr><td colspan="3">Peer IDs</td></tr>
<tr><td colspan="3">User IDs</td></tr>
</table>

FIG. 3

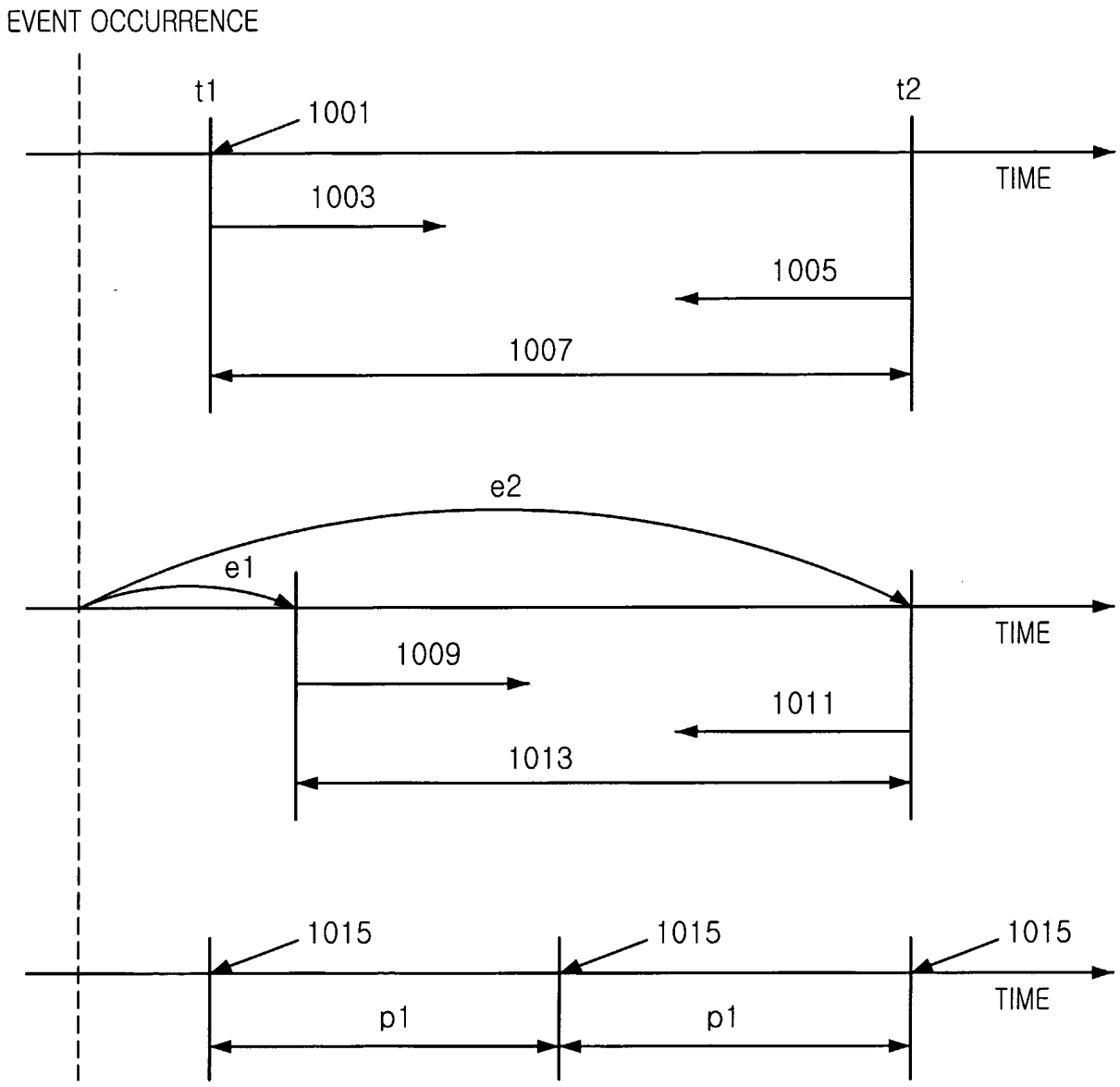

EVENT OCCURRENCE
t1
1001
t2
TIME
1003
1005
1007
e2
e1
TIME
1009
1011
1013
1015
1015
1015
TIME
p1
p1

FIG. 4

General Element	Specific Element	
Condition Descriptor	Time	
	DI Related Operation	
	Peer Related Operation	
ERR Descriptor	Description	Time Stamp
		Life Time
		History
		Priority Level
	ID	
	Access Right	
ER Descriptor	ER Data Descriptor	ER ID
		Report Data
		Access Right
		Format
	ERR	
Delivery Descriptor	To Whom	Peer IDs
		User IDs
	Delivery Time	
	How	Encryprion
		Authentication
		Protocol
		Compression

FIG. 5

General Element	Specific Element
ER Descriptor	ID
	Format
	Encryprion
	Access Right
	Authentication
	Compression
	History
	Priority Level
	Time Stamp
Source Descriptor	ER Peer ID
	Original ERR
ER Report Data	
Additional Action Descriptor	ERR
	ER

FIG. 6

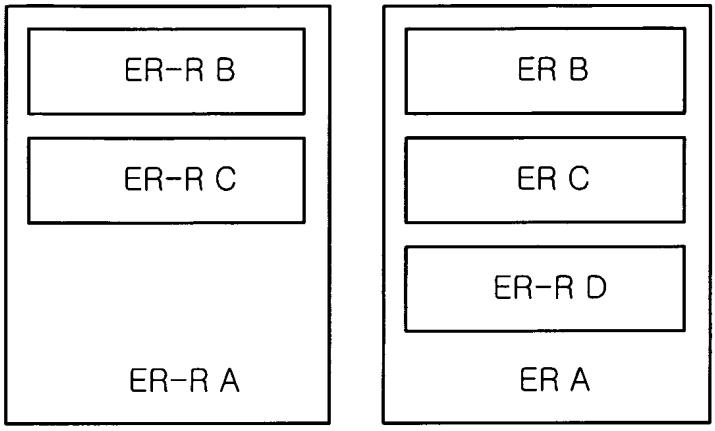

ER-R B
ER-R C
ER-R A
ER B
ER C
ER-R D
ER A

FIG. 7

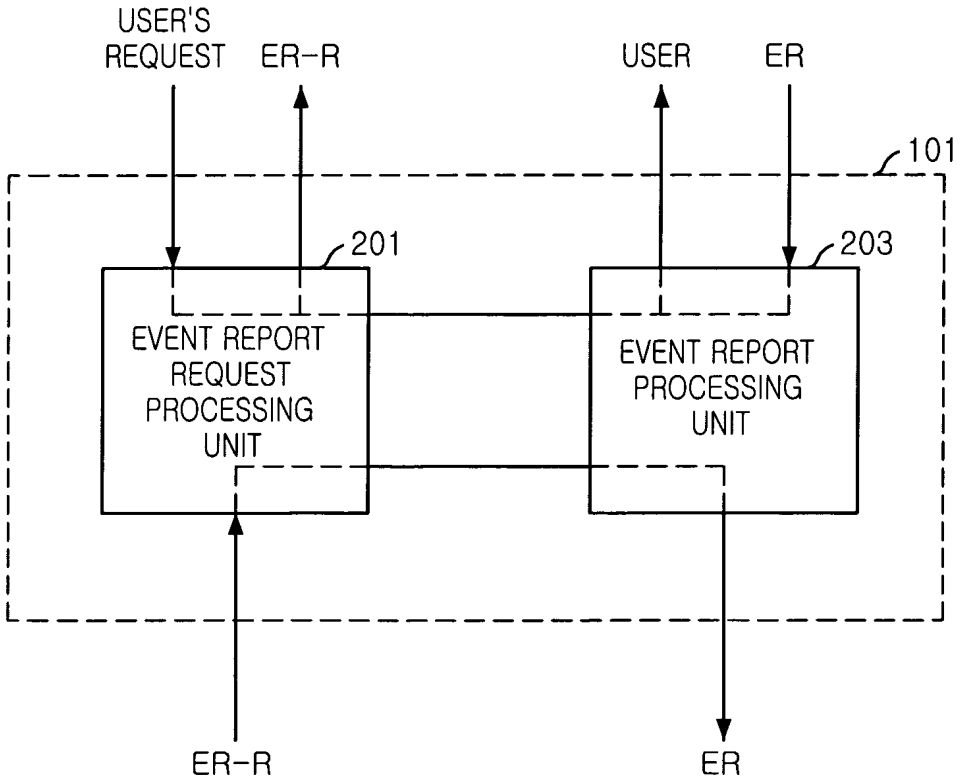

USER'S REQUEST
ER-R
USER
ER
101
201
203
EVENT REPORT REQUEST PROCESSING UNIT
EVENT REPORT PROCESSING UNIT
ER-R
ER

FIG. 8

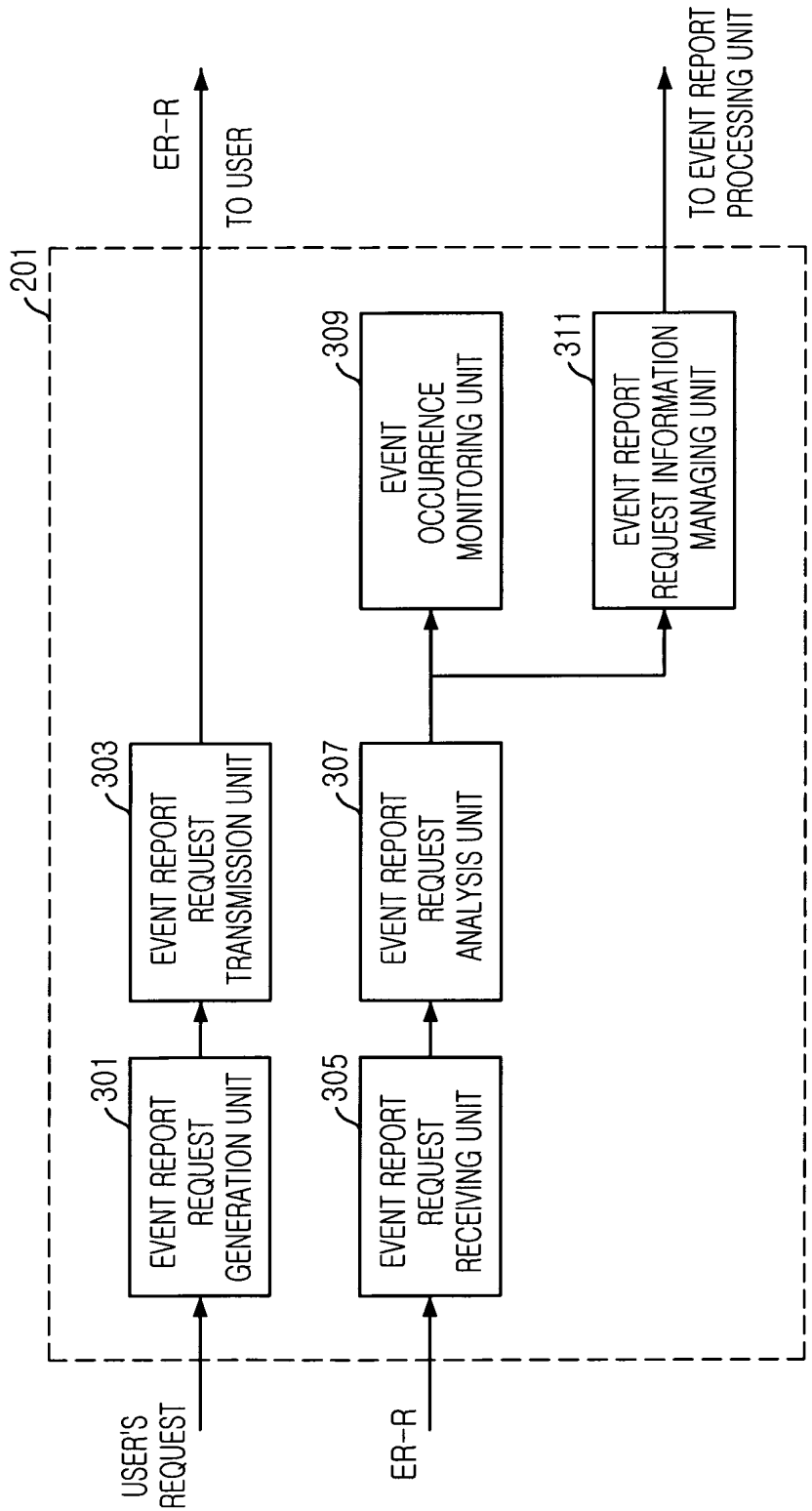

201
ER-R
TO USER
TO EVENT REPORT PROCESSING UNIT
309
EVENT OCCURRENCE MONITORING UNIT
311
EVENT REPORT REQUEST INFORMATION MANAGING UNIT
303
EVENT REPORT REQUEST TRANSMISSION UNIT
307
EVENT REPORT REQUEST ANALYSIS UNIT
301
EVENT REPORT REQUEST GENERATION UNIT
305
EVENT REPORT REQUEST RECEIVING UNIT
USER'S REQUEST
ER-R

FIG. 9

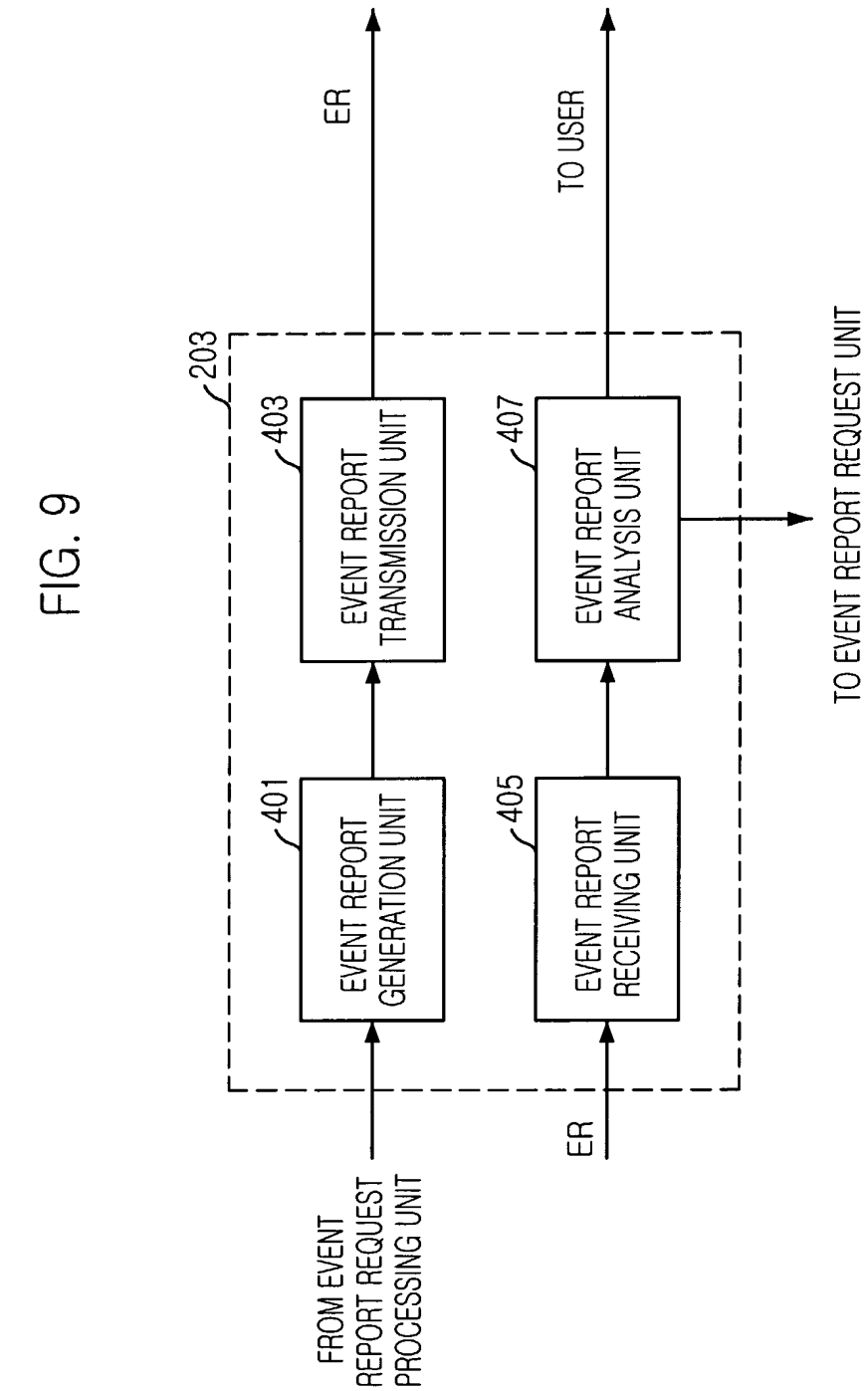

203
401
EVENT REPORT GENERATION UNIT
403
EVENT REPORT TRANSMISSION UNIT
405
EVENT REPORT RECEIVING UNIT
407
EVENT REPORT ANALYSIS UNIT
ER
ER
TO USER
FROM EVENT REPORT REQUEST PROCESSING UNIT
TO EVENT REPORT REQUEST UNIT

FIG. 10

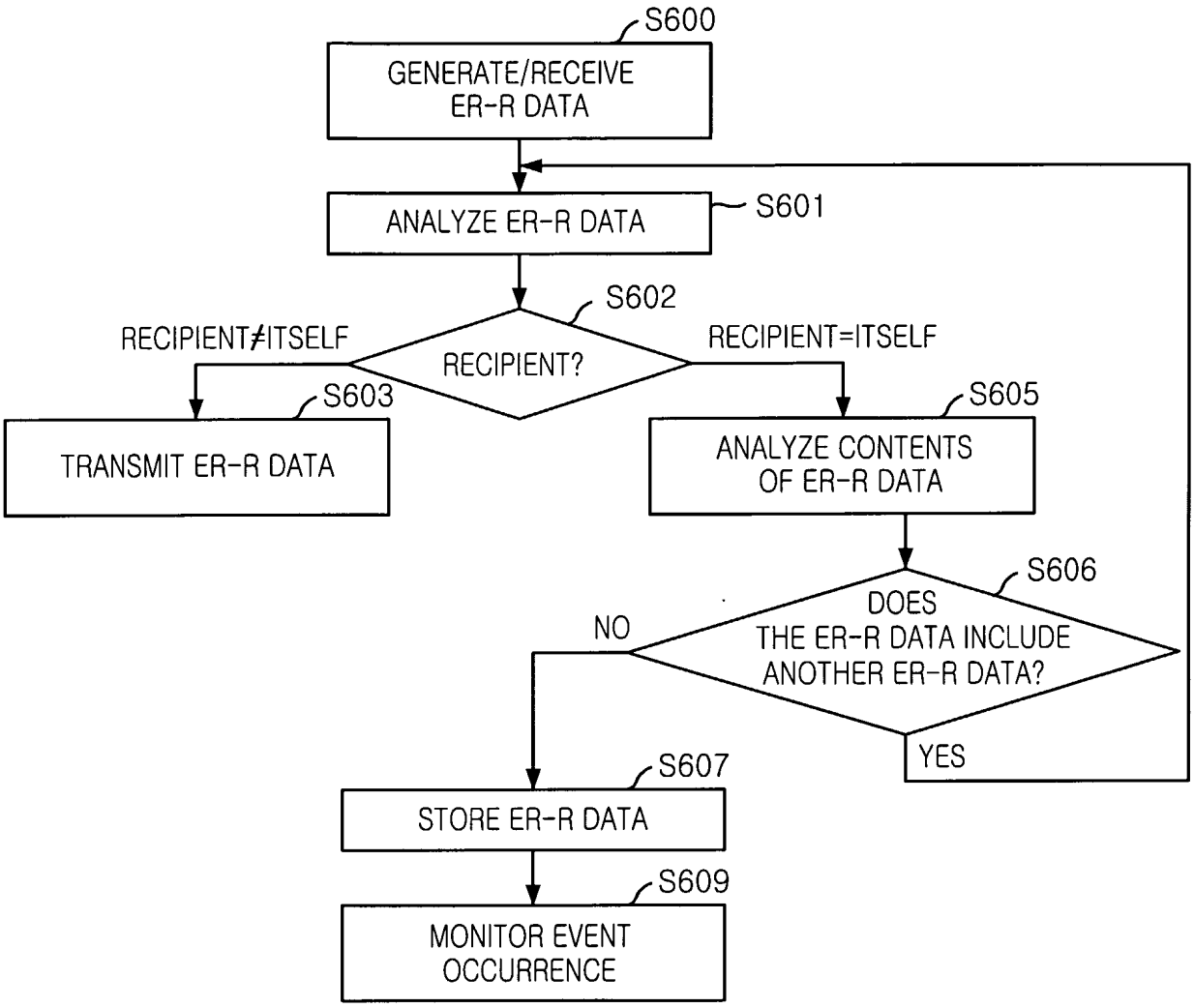

S600
GENERATE/RECEIVE ER-R DATA
ANALYZE ER-R DATA
S601
S602
RECIPIENT?
RECIPIENT≠ITSELF
RECIPIENT=ITSELF
S603
TRANSMIT ER-R DATA
S605
ANALYZE CONTENTS OF ER-R DATA
S606
DOES THE ER-R DATA INCLUDE ANOTHER ER-R DATA?
NO
YES
S607
STORE ER-R DATA
S609
MONITOR EVENT OCCURRENCE

FIG. 11

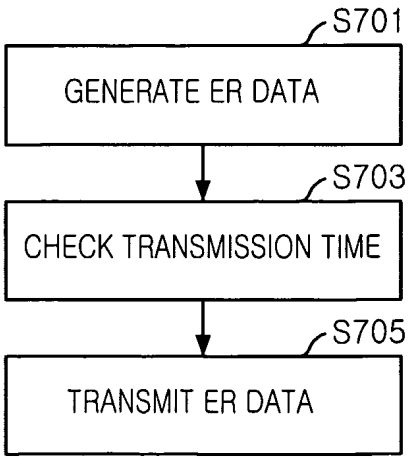

S701
GENERATE ER DATA
S703
CHECK TRANSMISSION TIME
S705
TRANSMIT ER DATA

FIG. 12

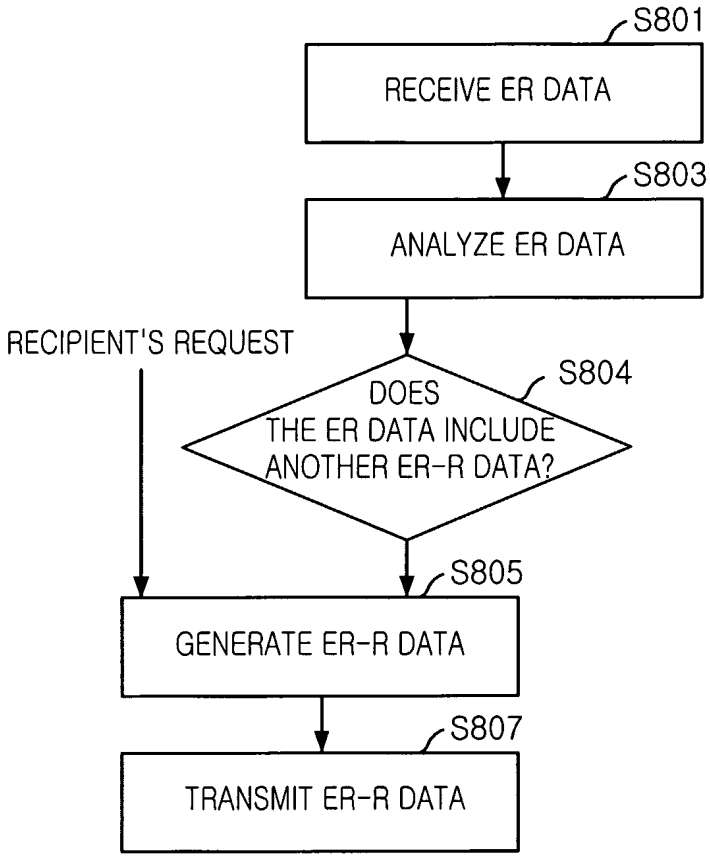
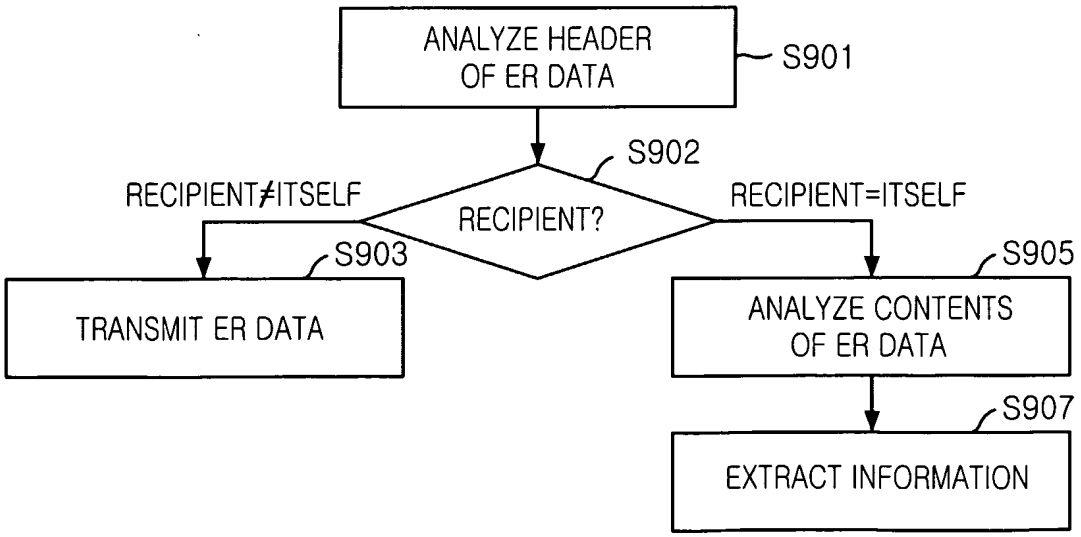

S801
RECEIVE ER DATA
S803
ANALYZE ER DATA
RECIPIENT'S REQUEST
S804
DOES THE ER DATA INCLUDE ANOTHER ER-R DATA?
S805
GENERATE ER-R DATA
S807
TRANSMIT ER-R DATA

FIG. 13


ANALYZE HEADER OF ER DATA
S901
S902
RECIPIENT?
RECIPIENT≠ITSELF
RECIPIENT=ITSELF
S903
TRANSMIT ER DATA
S905
ANALYZE CONTENTS OF ER DATA
S907
EXTRACT INFORMATION